

509118

**City of Otsego**

117 EAST ORLEANS STREET

OTSEGO, MICHIGAN 49078

PHONE: (616) 892-3391

May 16, 1985

Mr. Garth Aslakson  
Water Quality Specialist  
Surface Water Quality Division  
District 12 Headquarters  
P.O. Box 355  
Plainwell, MI 49080

Dear Mr. Aslakson:

Please find the enclosed analytical report which contains the results from the survey requested by your office per your January 16, 1985 letter.

It is interesting to note that the detection limit capabilities of the laboratory are often 100 times lower than those required by the Department of Natural Resources. Therefore this analytical report could have been correctly submitted stating that the compounds were not detected at the requested detection level. However in the interest of accuracy of data the results are reported at the lower detection limits.

Upon your review of the analytical data I believe you will agree that the miniscule traces of these organic compounds pose no threat to the waterways of the State of Michigan. As you may notice the report indicates that two samples were collected and analyzed rather than six samples one per week for six weeks as requested. With regard to the results of the two weeks of sampling and in consideration of the additional financial burden of continued sampling it is hereby requested that the City of Otsego be granted a variance to the additional sampling condition as stated in the aforementioned letter of January 16, 1985. It is requested that the enclosed analytical report be considered as sufficient data to satisfy the conditional approval requirements of the Industrial Pretreatment User Survey.

If you have any questions concerning the above variance request or if you wish to schedule a conference with myself please call me at 694-9194.

Sincerely,

Thomas W. Dunn  
Superintendent Wastewater Treatment Plant  
City of Otsego

**RECEIVED**

MAY 20 1985

TWD/jlk

cc: George Strand  
William H. Bouma

SWQD-Plainwell

KR059B003726

KAR Laboratories, Inc.  
4425 Manchester Road  
Kalamazoo, MI 49002

(616) 381-9666

ANALYTICAL REPORT

COMPANY : City of Otsego WWT  
117 E. Orleans  
Otsego, MI 49078

ATTENTION: Mr. Tom Dunn

METHOD : Standard Methods, or  
equivalent.

RESULTS :

PROJECT CODE NO. : 861291

DATE RECEIVED : 10-16-86

DATE REPORTED : 10-22-86

PURCHASE ORDER NO.: Revision 10-24-86

TYPE OF SAMPLE(S) : Effluent

Concentration  
(ug/L)

PCB'S 3.3\*

\*Aroclor 1232

Respectfully submitted,  
KAR Laboratories, Inc.

*William H. Bouma*

William H. Bouma, Ph.D.  
Director

WHB/mcm

KB21602467

KR059B003737

KAR Laboratories, Inc.

4425 Manchester Road  
alamazoo, MI 49002

(616) 381-9666

ANALYTICAL REPORT

To: City of Otsego WWT  
117 E. orleans  
Otsego, MI 49078

Date: September 10, 1987

Laboratory Code: 871315

Attn: Mr. Tom Dunn

P.O. Number: 208

Re: ~~Analysis of one composite sample from Parker Hannifin submitted~~  
~~8-26-87.~~

Parker Hannifin  
Fluid Power Div.  
comp. 8-24 to 8-26-87

DNR Scan 1 & 2\*

\*\*

PCB's, ug/L

0.24  
(Aroclor 1254)

Grease & Oil, mg/L

76

Metals (mg/L)

Cadmium

<0.005

Copper

0.10

Lead

<0.01

Zinc

0.16

\*grab sample from 8-27-87

\*\*refer to results attached

Respectfully submitted,

KAR Laboratories, Inc.

*William H. Bouma*

William H. Bouma, Ph.D.  
Director

KB22500519

WHB/mcr

KR059B003738

KAR Laboratories, Inc.

4425 Manchester Road

Kalamazoo, MI 49002

(616) 381-9666

ANALYTICAL REPORT

To: City of Otsego WWTP  
117 East Orleans  
Otsego, MI 49078

Date: October 3, 1988

Laboratory Code: 881705

P.O. No.: 429

Attn: Mr. Tom Dunn

Re: PCB analysis of 1 effluent sample submitted 9/16/88.

Sample I.D.

PCB  
Concentration  
(ug/L)

Effluent  
9/16/88, 9:45 a.m.

0.1\*

\*Aroclor-1242

RECEIVED

FEB 02 1989

SWQD-Plainwell

Respectfully submitted,

KAR Laboratories, Inc.

*William H. Bouma*

William H. Bouma, Ph.D.  
Director

WHB/crc

KB21602477

KR059B003739

ANALYTICAL RESULTS

To: Otsego, City of Water

Project No: 920657

Report Date: 4/14/92

Project Desc.: Quarterly analysis of one aqueous sample.

Sample No.: 920657-01

Sample type: aqueous

Received on: 3/25/92

ID: "Effluent, 3/25/92, 4:00am"

PCB, total

0.93 ug/L

Identified and  
quantified as  
Aroclor 1260.

Unless otherwise noted, test results represent the sample(s) as they were received.

# ANATECH

Analytical Laboratories

ANALYTICAL REPORT  
POLYCHLORINATED BIPHENYLS  
EPA Method 8080

CLIENT: Otsago WWTP  
PROJECT: N/A  
LAB REF. NO.: 21845  
SAMPLED BY: TD, TM  
DESCRIPTION: Sludge Sample  
ANALYST: JHY

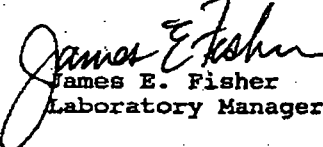
DATE SAMPLED: 05/14/92  
DATE RECEIVED: 05/19/92  
DATE EXTRACTED: 05/21/92  
DATE ANALYZED: 05/30/92  
REPORT DATE: 06/12/92

LAB SAMPLE I.D. #: 6114  
CLIENT SAMPLE I.D. #: #1 NORTH END OF STORAGE TANK

AROCHLOR 1016 . . . . .	ND
AROCHLOR 1221 . . . . .	ND
AROCHLOR 1232 . . . . .	ND
AROCHLOR 1242 . . . . .	ND
AROCHLOR 1248 . . . . .	0.15
AROCHLOR 1254 . . . . .	ND
AROCHLOR 1260 . . . . .	ND
AROCHLOR 1262 . . . . .	ND
AROCHLOR 1268 . . . . .	ND
LIMIT OF DETECTION . . . . .	0.03

ND = Non Detectable

Results are in mg/kg

  
James E. Fisher  
Laboratory Manager

5mm

KR059B003741

# ANATECH

Analytical Laboratories

ANALYTICAL REPORT  
POLYCHLORINATED BIPHENYLS  
EPA Method 8080

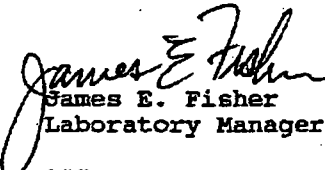
CLIENT: Otsego WWTP  
PROJECT: N/A  
LAB REF. NO.: 21845  
SAMPLED BY: TD, TM  
DESCRIPTION: Sludge Sample  
ANALYST: JHY

DATE SAMPLED: 05/14/92  
DATE RECEIVED: 05/19/92  
DATE EXTRACTED: 05/21/92  
DATE ANALYZED: 05/30/92  
REPORT DATE: 06/12/92

LAB SAMPLE I.D. #: 8115  
CLIENT SAMPLE I.D. #: #2 SOUTH END OF STORAGE TANK

AROCHLOR 1016 . . . . .	ND
AROCHLOR 1221 . . . . .	ND
AROCHLOR 1232 . . . . .	ND
AROCHLOR 1242 . . . . .	ND
AROCHLOR 1248 . . . . .	0.13
AROCHLOR 1254 . . . . .	ND
AROCHLOR 1260 . . . . .	ND
AROCHLOR 1262 . . . . .	ND
AROCHLOR 1268 . . . . .	ND
LIMIT OF DETECTION . . . . .	0.03

ND = Non Detectable  
Results are in mg/kg

  
James E. Fisher  
Laboratory Manager  
SUM

# ANATECH

Analytical Laboratories

ANALYTICAL REPORT  
POLYCHLORINATED BIPHENYLS  
EPA Method 8080

CLIENT: Otsego WWT  
PROJECT: N/A  
LAB REF. NO.: 21845  
SAMPLED BY: TD, TM  
DESCRIPTION: Sludge Sample  
ANALYST: JHY

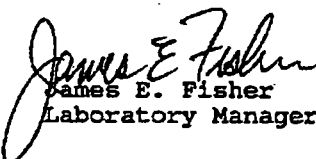
DATE SAMPLED: 05/14/92  
DATE RECEIVED: 05/19/92  
DATE EXTRACTED: 05/21/92  
DATE ANALYZED: 05/30/92  
REPORT DATE: 06/12/92

LAB SAMPLE I.D. #: 8116  
CLIENT SAMPLE I.D. #: #3 WEST SIDE OF STORAGE TANK

AROCHLOR 1016 . . . . .	ND
AROCHLOR 1221 . . . . .	ND
AROCHLOR 1232 . . . . .	ND
AROCHLOR 1242 . . . . .	ND
AROCHLOR 1248 . . . . .	0.10
AROCHLOR 1254 . . . . .	ND
AROCHLOR 1260 . . . . .	ND
AROCHLOR 1262 . . . . .	ND
AROCHLOR 1268 . . . . .	ND
LIMIT OF DETECTION . . . . .	0.03

ND = Non Detectable

Results are in mg/kg

  
James E. Fisher  
Laboratory Manager  
SMU

KR059B003743



# ANATECH

Analytical Laboratories

ANALYTICAL REPORT  
POLYCHLORINATED BIPHENYLS  
EPA Method 8080

CLIENT: Otsego WWTP  
PROJECT: N/A  
LAB REF. NO.: 21845  
SAMPLED BY: TD, TM  
DESCRIPTION: Sludge Sample  
ANALYST: JHY

DATE SAMPLED: 05/14/92  
DATE RECEIVED: 05/19/92  
DATE EXTRACTED: 05/21/92  
DATE ANALYZED: 05/30/92  
REPORT DATE: 06/12/92

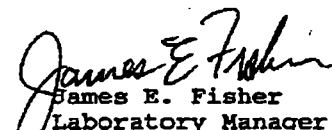
LAB SAMPLE I.D. #:  
CLIENT SAMPLE I.D. #:

8117  
#4 COMBINATION OF ABOVE

AROCHLOR 1016 . . . . . ND  
AROCHLOR 1221 . . . . . ND  
AROCHLOR 1232 . . . . . ND  
AROCHLOR 1242 . . . . . ND  
~~AROCHLOR 1248 . . . . . 0.13~~  
AROCHLOR 1254 . . . . . ND  
AROCHLOR 1260 . . . . . ND  
AROCHLOR 1262 . . . . . ND  
AROCHLOR 1268 . . . . . ND  
  
LIMIT OF DETECTION . . . . . 0.03

ND = Non Detectable

Results are in mg/kg

  
James E. Fisher  
Laboratory Manager  
  
SMM

KR059B003744